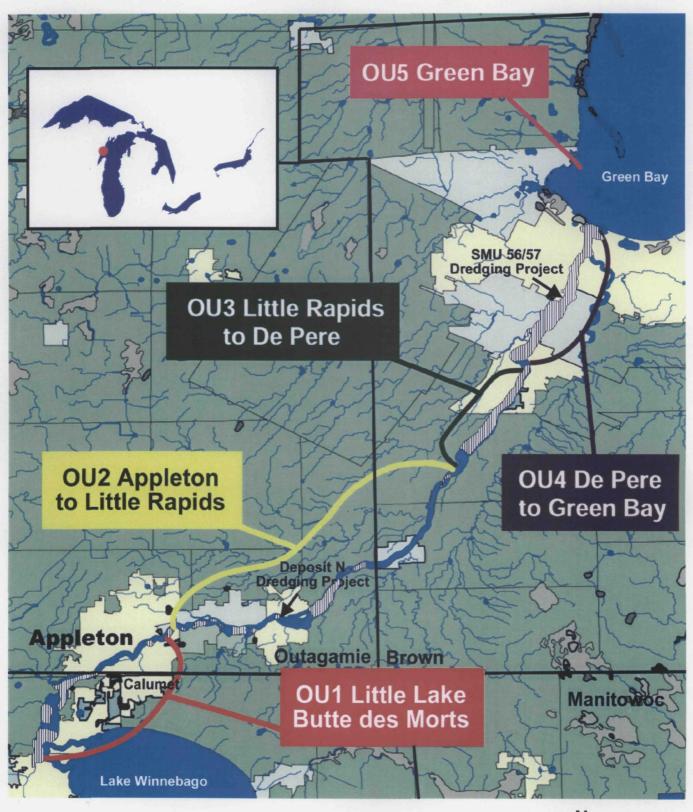
Lower Fox River PCB Contaminated Sediments Deposits









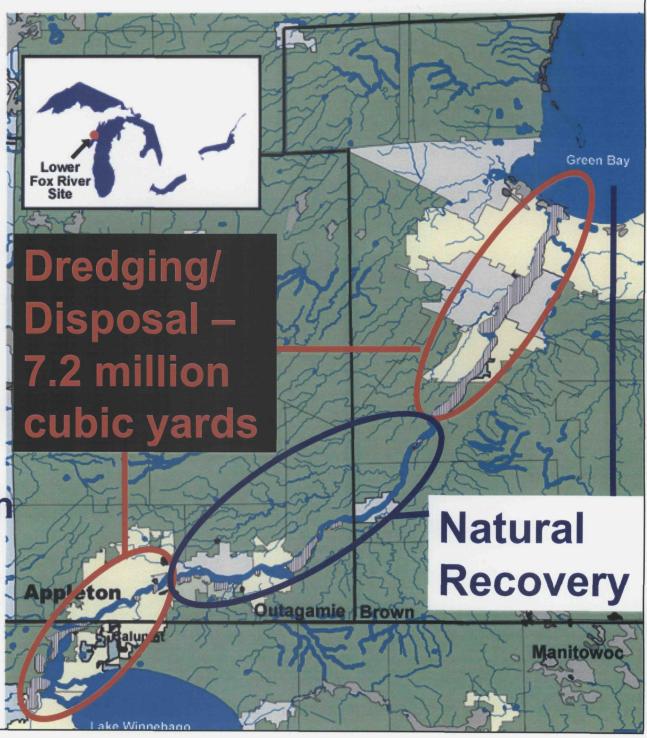


Remedy Decisions

Total Cost: \$400 million

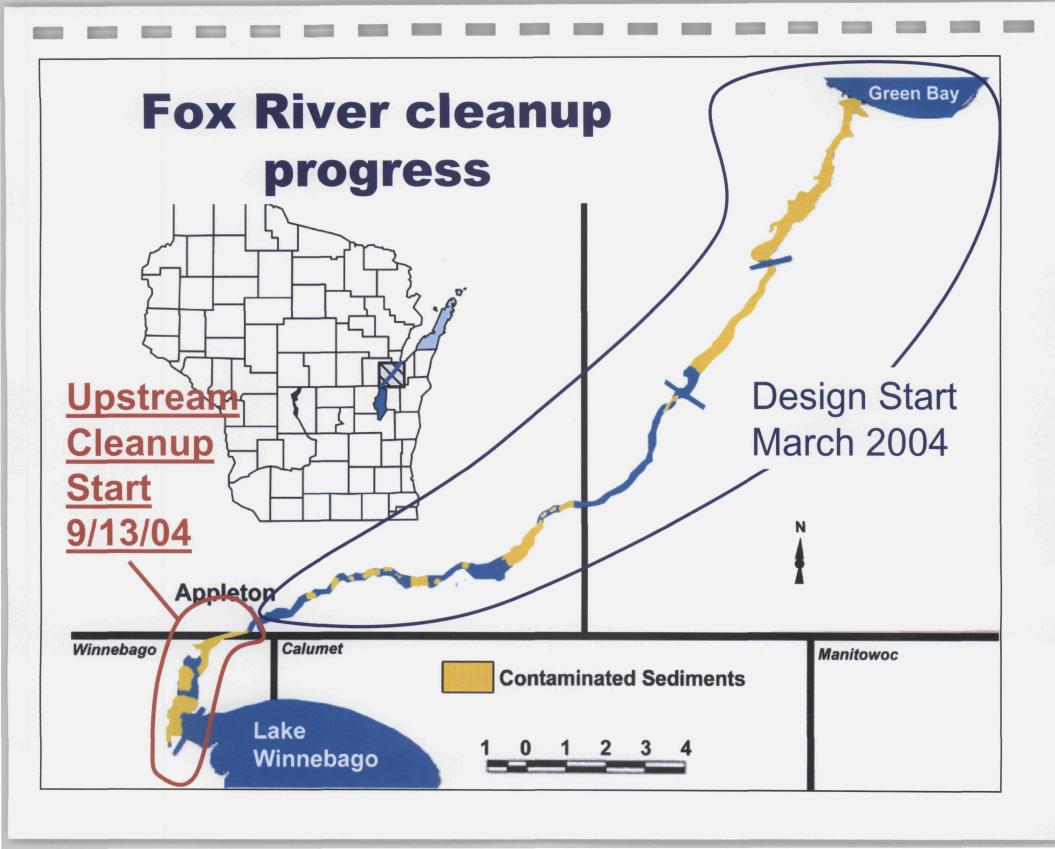
Dredging: \$350 million

MNR \$50 million



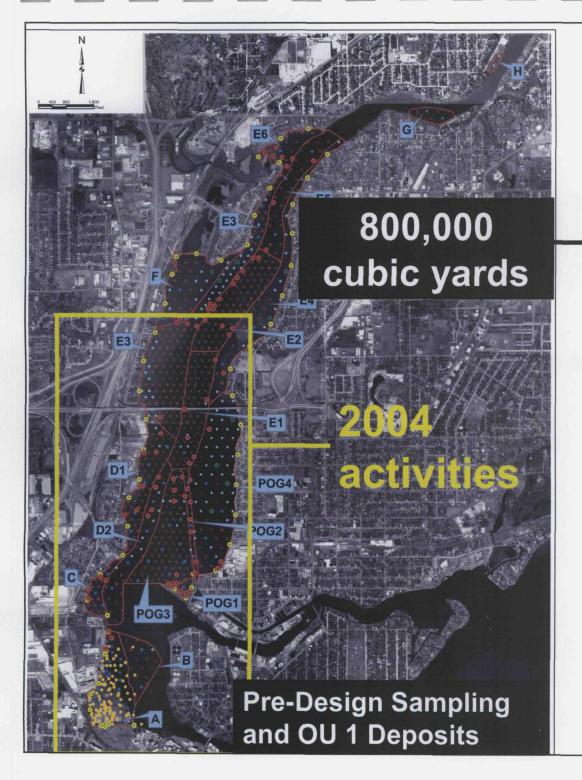
Fox River and Lower Green Bay Overview of Current Activities

- Downstream ("OU 2-5") Design
 - -Started March 2004
 - Pre-design sampling currently
 - Georgia Pacific and NCR
- Upstream ("OU 1") cleanup
 - Starting September 13th
 - WTM I and Glatfelter Company



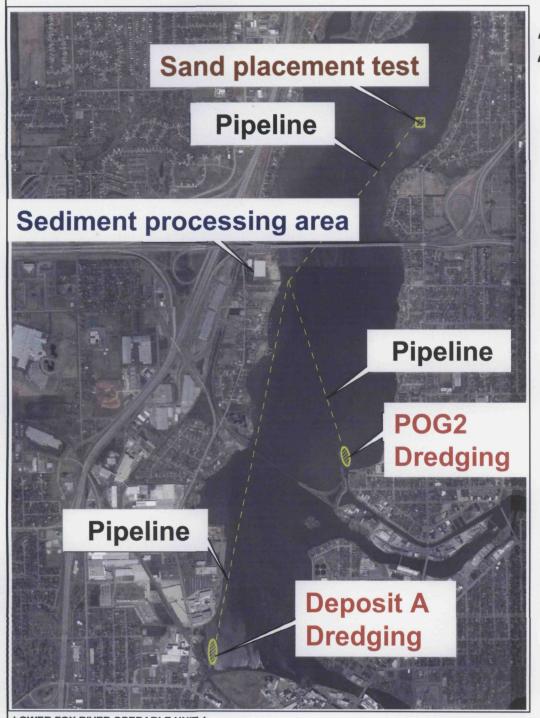
Fox River upstream cleanup

Milestone	Date
Record of Decision	December 2002
Consent Order	July 2003
Agreement – Design	
Consent Decree	April 2004
Agreement - for cleanup	
Cleanup start	September 13, 2004



Upstream cleanup

- Dredge sediments more than 1 ppm
- Dewater dredge slurry
- Trucking & Landfill disposal
- Est. cost \$66 MM



2004 Cleanup Start

- September 13th start
- Dredging
 - Deposit A:September 13th to mid-October
 - POG2: mid- to late-October
- Dewater dredge slurry
- Sand placement test: late-October to mid-November

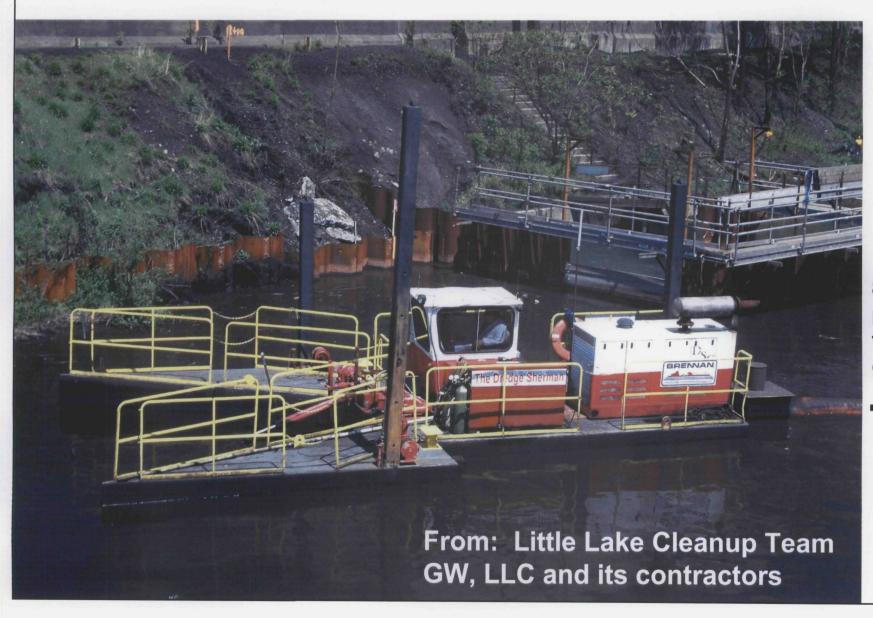
Sediment processing area and water treatment plant



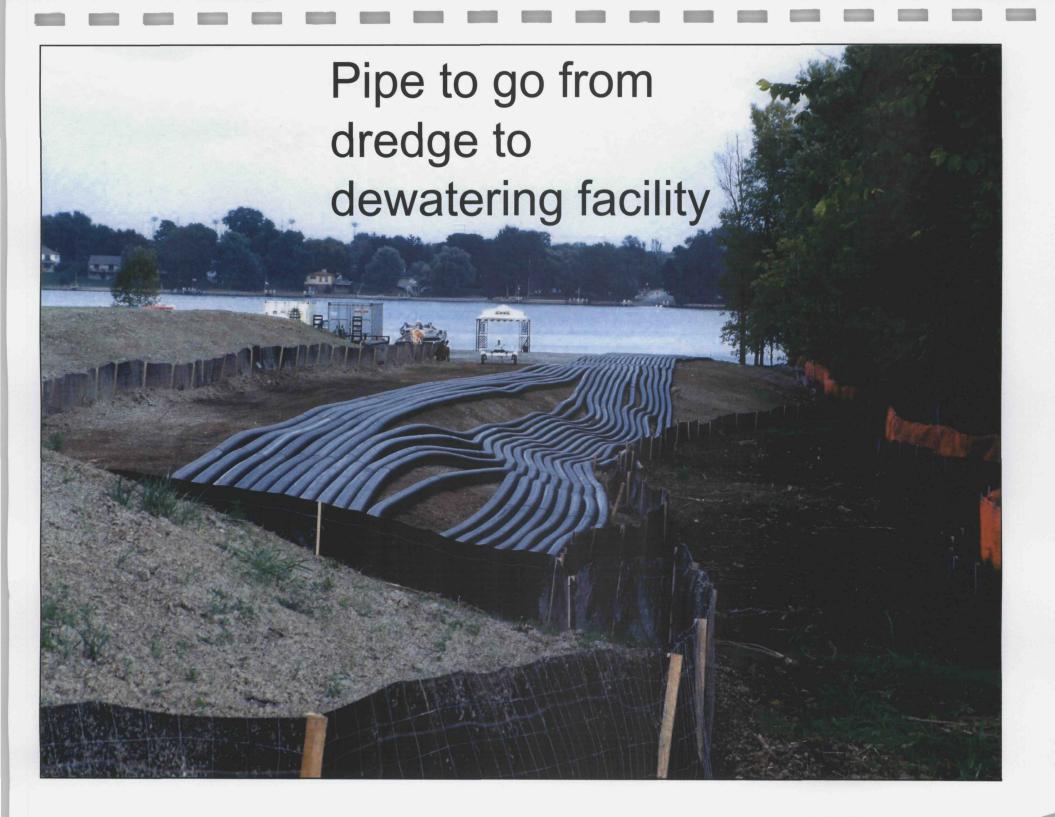
Dewatering Pad and Water Treatment Facility August 19, 2004

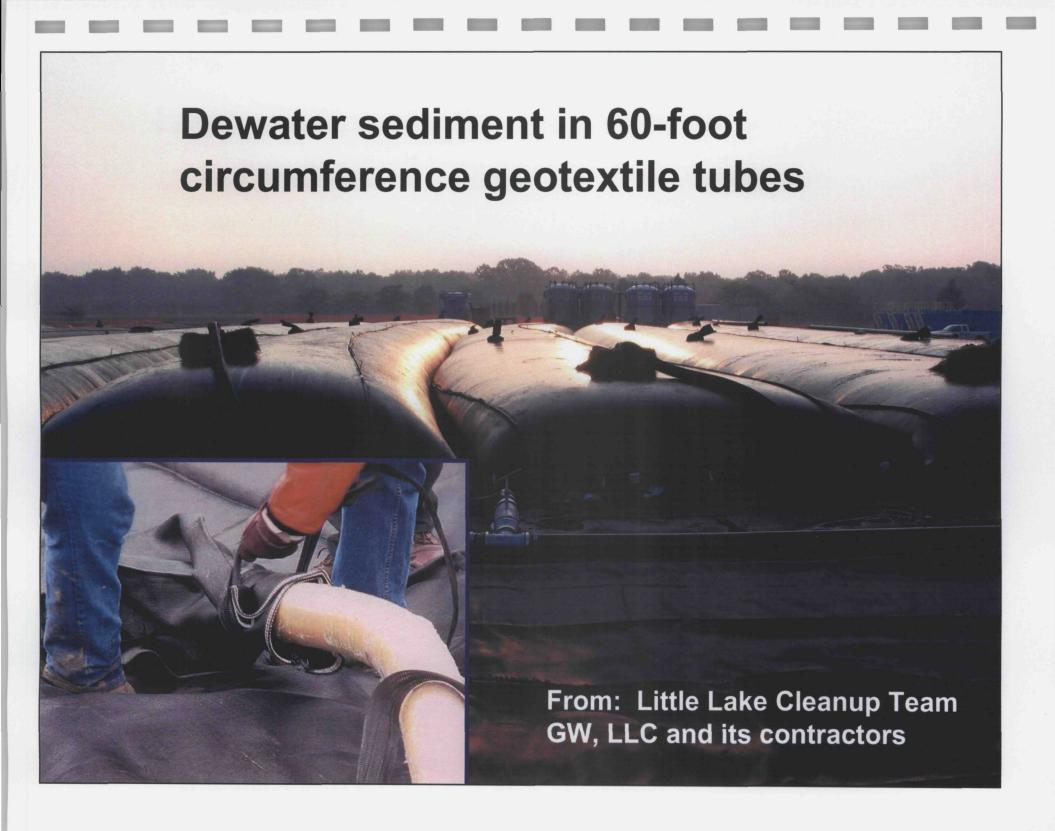


Hydraulic dredge

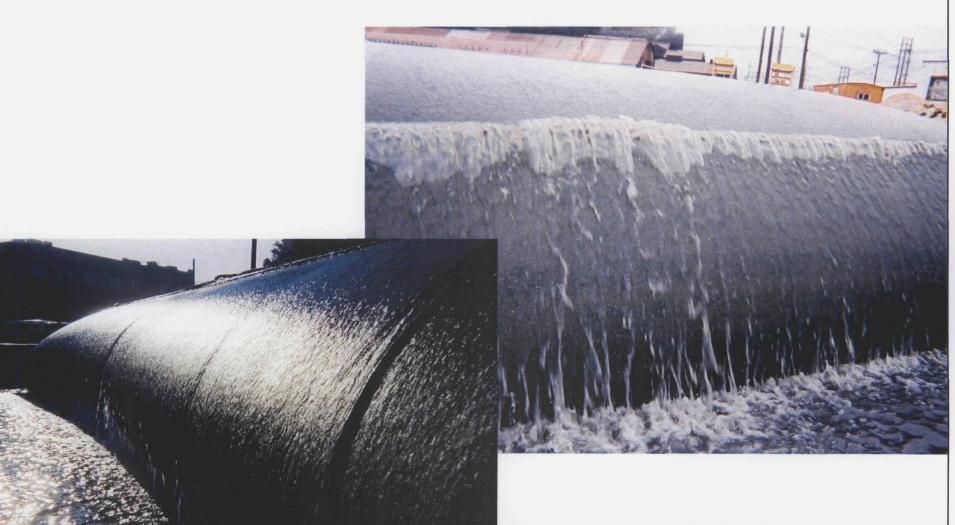


8-inchpipeline to geotubes



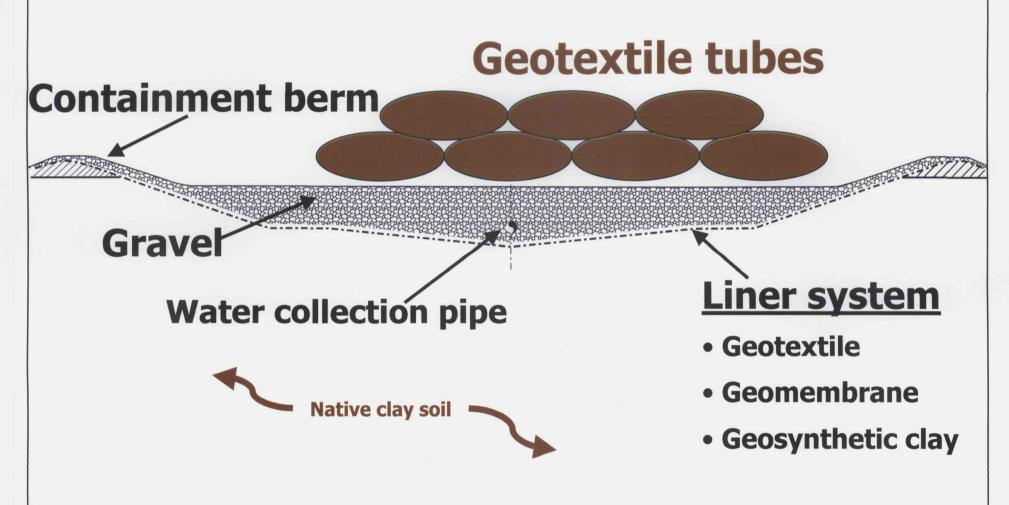


Solids captured in geotextile tubes & water drains out

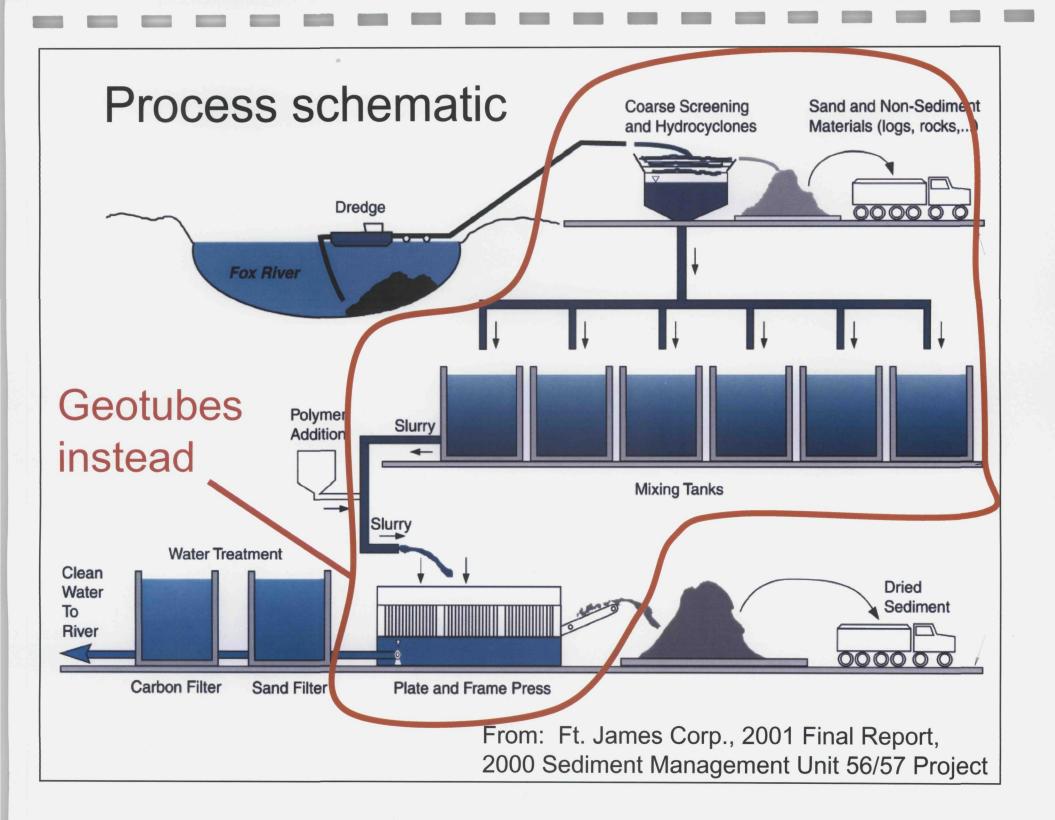


From: Little Lake Cleanup Team GW, LLC and its contractors

Geotextile tubes dewatering pad



From: Little Lake Cleanup Team GW, LLC and its contractors



Dredge slurry dewatering

- Geotextile tubes (a.k.a., "geotubes")
 - Pump slurry to tubes & let water drain out
 - Replaces presses squeezing out water

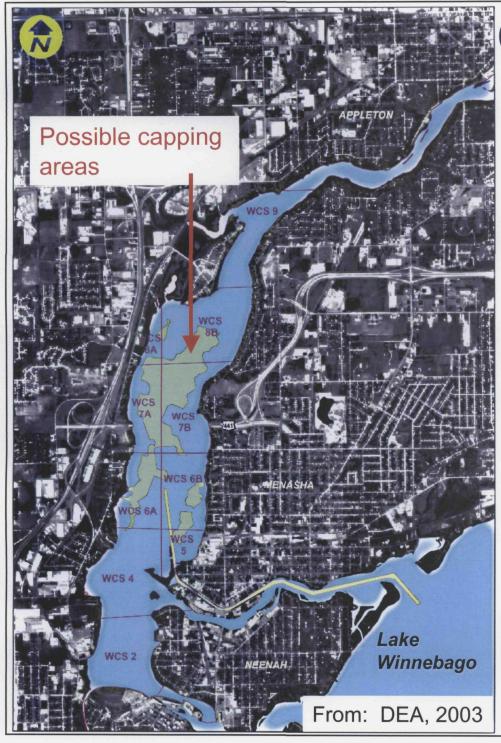
Advantages

- 1. Less labor lower cost
- 2. Dredging and dewatering operate independently (flexibility and less "downtime")
- 3. Less potential for PCB volatilization
- Disadvantage: more space needed

Loading sediment from geotextile tubes for transport to landfill



From: Little Lake Cleanup Team GW, LLC and its contractors



Capping Contingency possible supplement to dredging

Restrictions

- 1. Post-capping water depth 3-feet+
- 2. Outside navigation channels
- 3. Outside pipelines, utilities, bridge piers, etc.
- 4. PCBs less than 50 ppm

Aggressive schedule on-track

Careful attention to ARARs and coordination with WDNR & EPA

 Companies did Cultural Resources Survey when not obligated

 Communication & project management (e.g., weekly teleconference updates)

Timely review and approvals by agencies

THE POST-CRESCENT

WEDNESDAY, JANUARY 8, 2003

SERVING WISCONSIN'S FOR RIVER VALLEY SINCE 1853

Fox River cleanup to begin in 2004

Limited scope of PCB effort defended

By Ed Culhane

Government managers of the Fox River PCB cleanup said critics of their decision to issue a partial decision Tuesday have likely misunderstood their mo-

Even though the Record of Decision, or ROD, only covers part of the river, government regulators say the cleanup will begin

in 2004. Though environmental groups contend the current approach is not aggressive enough, Tom Skinner, Region 5 director of the U.S. Environmental Protection Agen-cy, said the idea is to speed the cleanup, not skw it down.

"Our foot is on the accelerator, and it is not coming off," Skinner said. This should not be taken as an indicator that we are slowing down. We need to make stare the problem gets cleaned up and that the river is safe for folks."

The partial ROD available for public inspection is the final cleanup plan for 26 of the 39-mile river downstream from the Menasha dam to the dam at Little Rapids in Brown County roughly halfway be-

twen Kaukauru and De Pere. It calls for

ofthe

several area paper companies to spend an estimated \$76.1 million nated biphemyls, a class of long-lasting industrial of long-lasting industrial ments in Little Lake Butte des chemicals discharge Morts, a 6-mile-long widening of into the river by sevthe Fox River between the dam at eral area paper Menasha and the first Appleton companies be-dam, and monitoring PCB levels tween 1954 in the less contaminated stretch between Appleton and Little

The second and final place of the ROD will be issued in June. regulators said, to cover the re-maining 13 miles of river and the waters of Green Bay where the vast majority of PCB pollution is located.

When complete, the two decisions will make final a cleanup plan issued by the agencies in October

2001 that calls for seven area paper companies to spend an estimated \$308 million to dredge and landfill riser sediment with PCB concentrations greater than 1.0 parts per million from parts of the river between Little Lake Butte des Morts and the bay of Green Bay

PCBs or polychlori chemicals discharged

Little Rapids

\$76.1 MILLION PLAN # Little Lake Bulle Des Meds: Dredge 784,000 cubic yants at a cost of \$66.2 million III Appleton downstream to Little Papels

in Grown County: Monitor confirmination: al cost of \$9.9 million

Why PCBs are still a threat

PCBs and your health

Fire preventive and insulator

ints, fubricants, irres. nitras copy paper

is the manufacture of

electrical transformers penerators

Some other uses Hydgaulo fluids, fire

1. PCBs released decades age by incustral plants pergipt in and and water 2, in rivers and streams. PGBs apparradate in fish. seciment. As bigger fish eat seral fish, they become

2. When people, wildlife out contaminated fish, they accumulate all the PCBs rated by everything below frem in the food chain.

Eas compromise the immune and nenous

Probable cause of carcer is people; known cause in

m Enpocially risky for pregnant women; can lead to promoture birth, low tirth weight, child with lowered 12 or hearning problems

more coverage

PLAN'S FULL TEXT

INDUSTRY REACTS

FOX RIVER TIMELINE

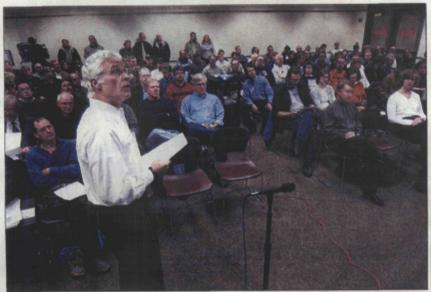
History of cleanup / A-7

INSIDE

Where to see it / A-6

Effects debated / A-7

PCB burial attacked



A LARGE CROWD at Neenah Public Library's Shattuck Community Room listens to Roger Grimes of the U.S. Environmental Protection Agency discuss the PCB cleanup process of the upper section of the lower Fox River as he looks at a screen presentation Wednesday. The meeting also included the U.S. Department of Justice.

Vinland residents change course of hearing

Post-Crescent staff write

NEENAH - Environmental regulators faced an aggressive and largely unhappy crowd Wednesday as they sought to ex-

of the

plain the consent decree that will fund the cleanup of PCBs in

Little Lake Butte des Morts.

The problem was that few of the more than 120 people that crowded into a meeting room at the Neenah Public Library wanted to talk about the consent decree. Most were from the Town of Vinland. They wanted to talk about the government's decision to landfill PCB sediments from the lake, since the probable landfill site is in



RANDY STONE (center) of the U.S. Department of Justice holds a copy of the consent decree. Roger Grimes (left) of the U.S. Environmental Protection Agency and partment of Justice, Wash-Greg Hill of the state Department of Natural Resources were also present at Wednesday's meeting.



They believe the cleanup should be delayed, if necessary, while questions about the cost D.J. Ref. 90-11-2-1045/2. of the Minergy option are During the public comment answered.

made chemicals once used bonless paper. Seven paper page

DECREE

tice will accept formal written comments on the consent decree until Nov. 17.

Comments should be addressed to the Assistant Attorney General, Environment and Natural Resources Division, P.O. Box 7611, U.S. Deington, DC, 20044-7611, and should refer to United States and the State of Wisconsin v. P.H. Glatfelter Company and WTM 1 Company, Civil Action No. 03-C-999 (E.D. Wis.) and

period, the consent decree PCBs, or polychlorinat- can also be found online at ed biphenyls, are man- www.usdoj.gov/enrd/ open.html. Scroll down to in the production of car- *U.S. v. P.H. Glatfelter Com-

Disposal controversy (now moot)

- Vinland community opposed landfilling
 - Preference for melting
 - Agencies re-evaluated: confirmed landfill decision
- Different landfill selected - no opposition voiced

